

# PORTEC

Environmental Products

## MODEL 271 SHREDDER SCREENING PLANT

30" x 40' CONVEYOR ● 4' x 8' 2-DECK SCREEN



### MULTIPLE APPLICATIONS

- TOP SOIL
- NURSERY
- AGLIME
- COMPOST
- REMEDIATION
- SAND & GRAVEL
- SLUDGE PROCESS
- RECYCLED ASPHALT
- LANDFILLS
- CLAY
- PEAT
- COAL
- ASH

### SCREENING PLANTS WITH FLEXIBILITY



**PORTEC**™

Construction Equipment Division  
KOLBERG PRODUCTS



# MODEL 271 SHREDDER

## 30" x 40' CONVEYOR

### ADJUSTABLE MATERIAL SPREADER

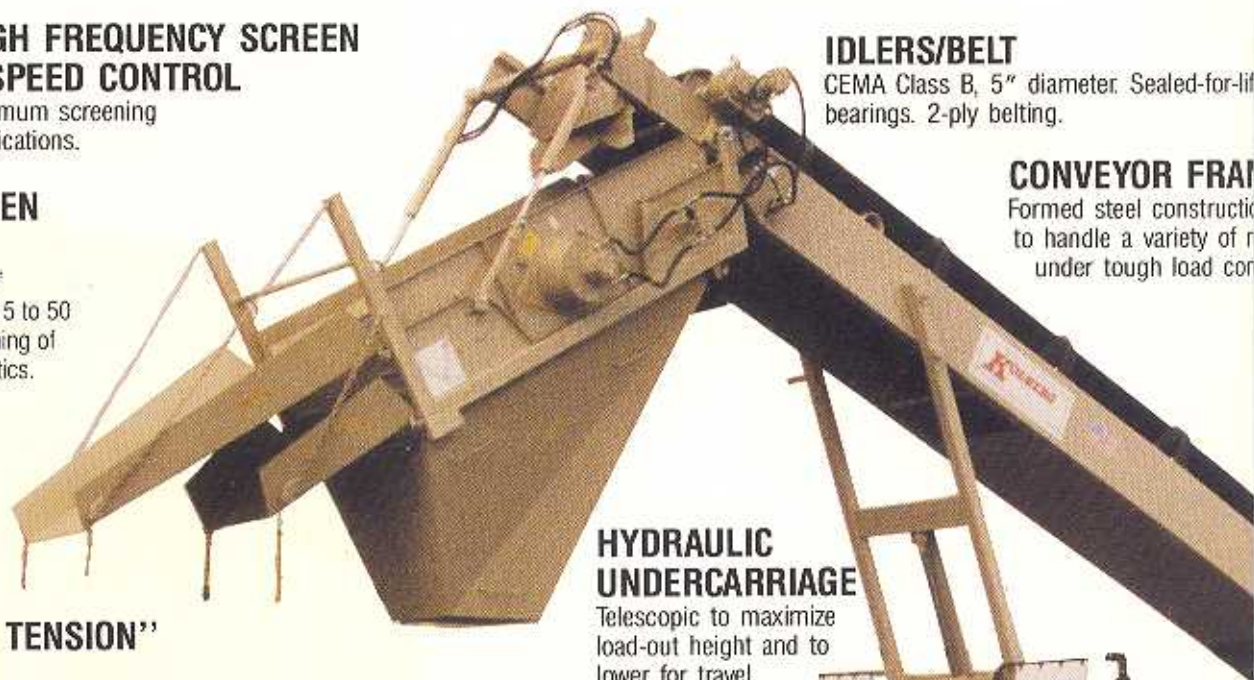
Evenly spreads material onto the screen cloth for maximum screening capability.

### 4' x 8' 2-DECK HIGH FREQUENCY SCREEN WITH VARIABLE SPEED CONTROL

Designed to provide maximum screening efficiency in multiple applications.

### HYDRAULIC SCREEN ADJUST

Allows for quick "On the Fly" screen pitch adjustment of 15 to 50 degrees for optimum screening of various material characteristics.



### IDLERS/BELT

CEMA Class B, 5" diameter. Sealed-for-life bearings. 2-ply belting.

### CONVEYOR FRAME

Formed steel construction to handle a variety of materials under tough load conditions.

### TOP DECK "SIDE TENSION" SCREEN CLOTH

Wide range of choice for various applications.

### BOTTOM DECK "END TENSION" SCREEN CLOTH

Numerous styles and openings available to meet your specific requirements.



### HYDRAULIC UNDERCARRIAGE

Telescopic to maximize load-out height and to lower for travel.

### OFF-PLANT STACKER CAPABILITIES

To operate two "off-plant" stackers for increased stockpile capacities.



**SERVICE POINTS:** Remote grease



### SERIES 2 PORTABLE STACKING CONVEYOR

These optional stacking conveyors are ideally suited as companion stackers for the Model 271 screening plant. Available in 24" widths, 40' and 50' lengths and 30" width x 50' length. Reference the Kolberg Series 2 brochure for more detailed information.

### HIGHWAY PORTABLE

Heavy-duty chassis, featuring single axle, dual wheels, air brakes, mud flaps, brake, tail and turn lights.

# SCREENING PLANT

STANDARD  
FEATURES

## OR ● 4'x8' 2-DECK SCREEN



### SELF-RELIEVING HOPPER/GRIZZLY

9 cu. yd. capacity designed to reduce material bridging and equipped with a rugged hydraulic activated sloped grizzly. Optional hopper wings are shown in photos.



### VARIABLE SPEED BELT FEEDER

9' - 6" long roller belt designed for precise material metering. Enclosed with easy access doors.



zorks for daily maintenance.



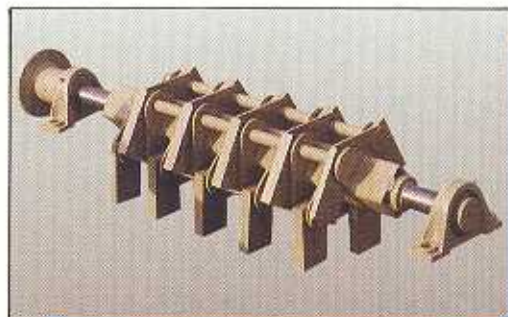
### POWER UNIT

68 HP water cooled diesel with instrumentation, electric start and "high temperature/low oil" shut-down system to prevent engine damage.



### TINE SHREDDER

Tine type shredder is designed for use in top soil and other related materials.



### MILL SHREDDER

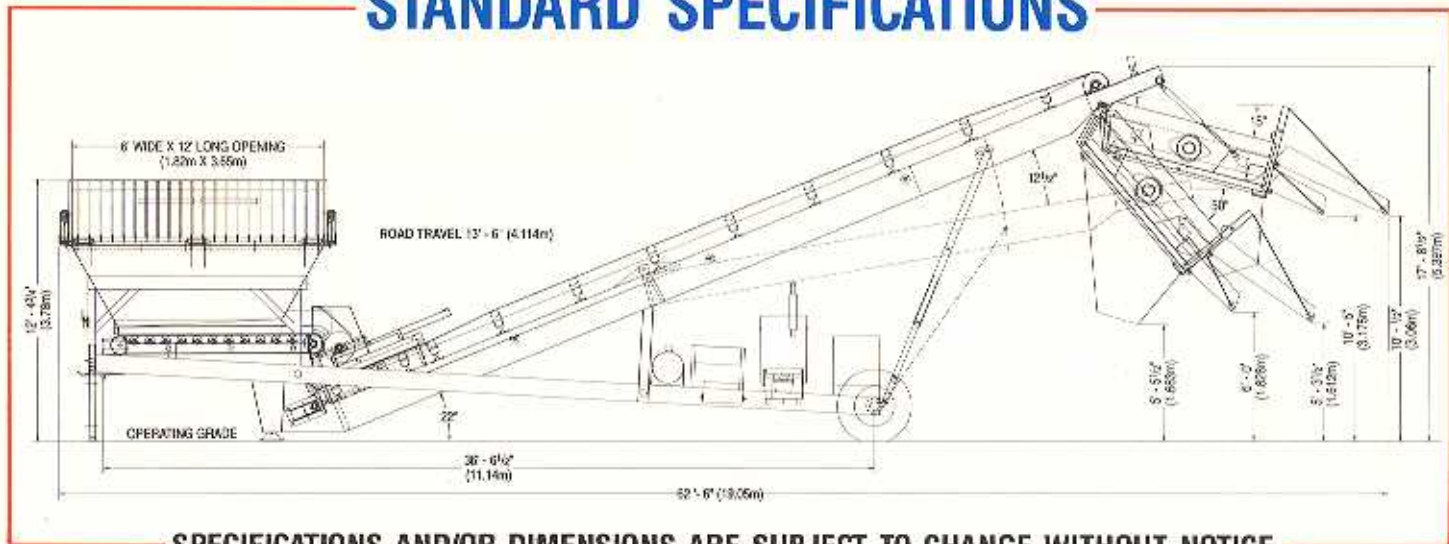
An optional mill type shredder is available.

### CONTROL CENTER

Instrumentation and controls mounted at ground level for ease of operation.



# STANDARD SPECIFICATIONS



**SPECIFICATIONS AND/OR DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.**

## VIBRATING SCREEN:

4' x 8' 2-Deck high frequency with variable speed control. Adjustable eccentrics provide maximum screening efficiency in multiple applications.

**SCREEN SPRINGS:** Rubber shear springs enable screen to function vigorously at any angle.

**CHUTE/SUPPORTS:** Chute Support frame complete with a 6' - 0" (1.82m) long top and 3' - 0" (.914m) long bottom chute plus a fines collecting hopper.

## HOPPER/BELT FEEDER:

**SELF-RELIEVING HOPPER:** Reduces material bridging and increases material flow with long, steep side walls. Hopper capacity of 9 cu. yd. heaped, and heavy 1/4" (6.35mm) plate steel construction and telescopic support legs for increased stability.

**SLOPED GRIZZLY DUMP:** Hydraulic activated cylinders and heavy duty 5 1/2" (139.7mm) clear opening grizzly.

**BELT FEEDER:** Heavy-duty 9' - 6" (2.89m) long roller belt design with variable speed hydraulic drive for precise material metering.

## SHREDDER CAPABILITIES:

**THE SHREDDER:** A "Tine" type shredder is included and designed for use in top soil and related applications.

**SHREDDER HOUSING:** Hydraulically slides "open" and "closed" for inspection and operation.

**UNIQUE INTERCHANGEABILITY:** A "Mill" design shredder is available for interchangeability or can be supplied in lieu of the standard "soil tiller."

## POWER AND DRIVE SYSTEM:

**POWER UNIT:** A water cooled diesel produces 68 HP and is equipped with all instrumentation, electric start, battery, 45 gallon lockable fuel tank, and "high temperature/low oil" shut-down system.

**DRIVES:** All hydraulic with instrumentation and controls conveniently mounted at ground level to operate the main belt, screen, screen pitch, belt feeder, shredder, grizzly dump and conveyor lift. 100 gallon lockable Hydraulic Reservoir is also included.

**AMPLE POWER:** The diesel/hydraulic power unit is designed to operate two additional "off-plant" conveyors. (Conveyors not included).

## HEAVY-DUTY CHASSIS/UNDERCARRIAGE:

**TRUCK TYPE CHASSIS:** Designed for dependable legal highway portability featuring a single axle with dual wheels, a king pin towing attachment, air brakes and a two speed landing gear.

**UNDERCARRIAGE MEMBERS:** Telescopic tubular design with hydraulic lift to elevate the conveyor to a maximum 22 degree operating incline, maximizing load-out height.

## BASIC CONVEYOR:

**CONVEYOR:** 30" (762mm) wide x 40' (12.92m) long rigidly formed steel construction designed to handle a variety of material under tough load conditions. The conveyor frame also has a hinge design for lower travel dimensions.

## CONVEYOR COMPONENTS:

**HEAD PULLEY:** Rubber lagged.

**TAIL PULLEY:** Self cleaning wing.

**TROUGHING IDLERS:** are 35 degree CEMA B type spaced on 4' - 0" (1.21m) centers.

**RETURN IDLERS:** are spaced on 10'0" (3.048m) centers.

**TAKE-UP:** are heavy-duty screw type with protective rod covers.

**BELT CLEANER:** positive cleaning with spring tensions.

**PAINT:** Standard enamel Portec beige.

**HIGHLY MOBILE TRAVEL:** Width = 8' - 6" (2.590m)

Height = 13' - 6" (4.114m) Weight = 22,000 lbs. (Approx.)

**These well balanced machines can be moved quickly and easily.**

## STANDARD OPTIONS:

- REMOTE CONTROL GRIZZLY DUMP
- WET SCREEN WITH SPRAY BARS
- COMPOSITE HOPPER LINERS
- "AR" STEEL LINERS
- FEED HOPPER WINGS

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regulations is the responsibility of the user and will be dependent upon the area and the use to which the product is put by the user. In some photographs, guards may have been removed for illustrative purposes only. This equipment should not be operated without all guards attached in their normal position. Placement of guards and other safety equipment is often dependent upon the area and the use to which the product is put. A safety study should be made by the user of the application and, if required, additional guards, warning signs and other safety devices should be installed by the user, wherever appropriate before operating the products.



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